PATENT COOPERATION TREAT

Recd

From the INTERNATIONAL SEARCHING AUTHORITH OCKET To

HAMILTON & BROOK, SMITH & REYNOLDS, P.C. Attn. Carroll, Alice O.

530 Virginia Road P.O. Box 9133 Concord, MA 01742-9133 UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

See paragraphs 1 and 4 below

Date of mailing (day/month/year)

05/09/2005

FOR FURTHER ACTION

Applicant's or agent's file reference

3194.1038002

International application No. International filing date (day/month/year) PCT/US2005/003287

03/02/2005

Applicant

MYKROLIS CORPORATION

5 OS LSK 5 OS LOCKETING 12-5-05 WOF wom

1. X The applicant is hereby notified that the international search report and the written opinion of the international Searching Authority have been established and are transmitted herewith.

Filling of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 48): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41-22) 740,14,35

For more detailed instructions, see the notes on the accompanying sheet.

The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith,

With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the international Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90b/s.1 and 90b/s.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the international Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority NL-2280 HV Rijswijk European Patent Office, P.B. 5818 Patentlaan 2 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Fax: (+31-70) 340-3016

Authorized officer

Iveta Bujanska

Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The holises are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCP Applicant's Quide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the international Searching Authority, one opportunity to amend the claims of the international application. Its Bould between the emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international perimitary examination procedule, there is usually no need to the amendments of the claims under Arricle 19 international periminary examination procedule, there is usually no need to provisional protection or that another reason for amending the claims before international publication. The purposes of provisional protection or that another protection is a willballe in some States only (see PCT Applicant's Guide, Annexes B1 and B2, sealed that provisional protection is a willballe in some States only (see PCT Applicant's Guide, Annexes B1 and B2, sealed that provisional protection is a willballe in some States only (see PCT Applicant's Guide, Annexes B1 and B2, sealed that provisional protection is a willballe in some States only (see PCT Applicant's Guide, Annexes B1 and B2, sealed that provisional protection is a willballe in some States only (see PCT Applicant's Guide, Annexes B1 and B2, sealed that provisional protection is a will applicated the provisional provisional provision of the purpose of th

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the international Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applicant's Guide*, Volume IA, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the International phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41,

When?

Within 2 months from the date of transmitted of the international search report or 16 months from the priority date, whichever time limit express later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the international Bureau after the systration of the applicable time limit but before the complotion of the technical preparations for international publication (Rulus 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2),

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	F DOTION 1000					
3194.1038002	ACTION as well	see Form PCT/ISA/220 as, where applicable, item 5 below,					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)					
		(wallesty) holly balls (day) montray ear)					
PCT/US2005/003287 03/02/2005 05/02/2004							
Applicant							
MYKROLIS CORPORATION							
This International Search Report has been	prepared by this International Searching Author	ority and is transmitted to the applicant					
according to Article 18. A copy is being tran	ismitted to the international Bureau.						
This International Search Report consists of	of a total of6sheets.						
X It is also accompanied by a	copy of each prior art document cited in this re	eport.					
Basis of the report With repard to the language, the in	ternational search was carried out on the basis	afabra laboration to the state of the state					
language in which it was filed, unle	ss otherwise indicated under this item.	or the international application in the					
The international se	earch was carried out on the basis of a translat	ion of the international application furnished to					
this Authority (Rule	23.1(b)).	or the international application familiaring (o					
 b. With regard to any nucleot 	ide and/or amino acid sequence disclosed in	the international application, see Box No. I.					
0.000							
2. Certain claims were found	d unsearchable (See Box II),						
3. X Unity of invention is lacking	ng (see Box III).						
With regard to the title,							
X the text is approved as submitted by the applicant.							
the text has been established by this Authority to read as follows:							
5 Miles record to the obstant		1					
 With regard to the abstract, the text is approved as subm 	ulted by the appliance	1					
may, within one month from	d, according to Rule 38.2(b), by this Authority a the date of mailing of this international search r	s it appears in Box No. IV. The applicant eport, submit comments to this Authority					
	-						
6. With regard to the drawings,							
a. the figure of the drawings to be publ	ished with the abstract is Figure No6_						
as suggested by the	applicant.						
X as selected by this A	uthority, because the applicant failed to suggos	it a figure.					
	uthority, because this figure better characterize						
b. none of the figures is to be pu							

INTERNATIONAL SEARCH REPORT

International application No. PCT/US2005/003287

Box II Ob	oservations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Internat	tlonal Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Clai	ims Nos.: ause they rotate to subject matter not required to be searched by this Authority, namely:
beca	ims Nos.: ause they relate to parts of the International Application that do not comply with the prescribed requirements to such extent that no meaningful international Search can be carried out, specifically:
3. Clair beca	ims Nos.: ause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Obs	servations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This Internation	onal Searching Authority found multiple inventions in this international application, as follows:
se	e additional sheet
1. X As a sear	all required additional search fees were timely paid by the applicant, this International Search Report covers all entable claims.
2. As a of an	ill searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment ny additional fee.
3. As or cove	mly some of the required additional search fees were timely paid by the applicant, this international Search Report yre only those claims for which fees were paid, specifically claims Nos.;
4. No restri	equired additional asarch fees were timely paid by the applicant. Consequently, this International Search Report is letted to the invention that mentioned in the claims; it is covered by claims Nos.:
Remark on Pr	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

This invention concerns a method of purifying a transfer container comprising the step of purging the transfer container with a gas having a certain concentration. The problem to be solved is to reduce device contamination.

2. claims: 13-21

This invention is directed to a method and a system of transferring an object from a transfer container to a sealed chamber.
The problem to be solved is to improve the process control.

INTERNA .. ONAL SEARCH REPORT

International Application No. PCT/US2005/003287

A. CLASSIFICATION OF SUBJECT MATTER
I PC 7 H01L21/00 H01L21/68 B01D46/00 B01D50/00 F24F3/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H01L} & \mbox{B01D} & \mbox{F24F} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the flet'ds searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS	CONSIDERED 1	TO BE	RELEVANT
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 2002/124906 A1 (SUZUKI YOKO ET AL) 12 September 2002 (2002-09-12) paragraphs [0011], [0220]; figures 57A.57B	1-12
Х	paragraphs [0243], [0245]; figure 68	13-21
Х	EP 1 067 583 A (EBARA CORPORATION) 10 January 2001 (2001-01-10) paragraph [0042]; table 1	1-12
X	paragraphs [0020], [0043]; figures 5,9	13-21
Х	US 5 644 855 A (MCDERMOTT ET AL) 8 July 1997 (1997-07-08) column 9, line 29 - column 10, line 5	1-12
Х	EP 1 182 694 A (TOKYO ELECTRON LIMITED) 27 February 2002 (2002-02-27) paragraphs [0041] - [0063]; figures 1,2	13-21
- 1	-/	

	Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
	 Spocial categories of clated documents: No courrent of defining the general state of the art which is not consistered to be of particular relevance "earlier document but published on or after the International Bing Labe. "earlier document but published on or after the International Bing Labe. "earlier document but published on the Control of th	"It also if counter is published after the international tilling date of priority date and not in condit with the adequated to be ched by understand the principle or theory underlying the ched by understand the principle or theory underlying the ched by the
	Date of the actual completion of the international search	Date of mailing of the international search report
i	2 August 2005	0 5, 09, 05

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-3040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3018 Authorized officer

Angermeier, D

INTERNA ..ONAL SEARCH REPORT

International Application No PCT/US2005/003287

C (Contlan	nation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/0S2005/003287
Category *		Relevant to claim No.
A	US 5 169 272 A (BONORA ET AL) 8 December 1992 (1992-12-08) column 1, line 59 - column 2, line 28	1-12
		, v

INTERNA JONAL SEARCH REPORT

Information on patent family members

International Application No PCT/US2005/003287

				101/0	32003/00320/
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002124906	A1	12-09-2002	JP EP WO TW US	2002261159 A 1343202 A1 0247152 A1 533174 B 2004187451 A1	13-09-2002 10-09-2003 13-06-2002 21-05-2003 30-09-2004
EP 1067583	A	10-01-2001	JP EP TW US US	2001077188 A 1067583 A2 550220 B 2002129707 A1 6364922 B1	23-03-2001 10-01-2001 01-09-2003 19-09-2002 02-04-2002
US 5644855	A	08-07-1997	NONE		
EP 1182694	A	27-02-2002	JP JP JP JP EP TW US	3552656 B2 2002076090 A 3642729 B2 2002164406 A 1182694 A2 501194 B 2002048509 A1	11-08-2004 15-03-2002 27-04-2005 07-06-2002 27-02-2002 01-09-2002 25-04-2002
US 5169272	A	08-12-1992	DE DE EP JP JP WO US US	69115292 D1 69115292 T2 0556193 A1 3576162 B2 6501815 T 9207759 A1 5547328 A 5370491 A	18-01-1996 27-06-1996 25-08-1993 13-10-2004 24-02-1994 14-05-1992 20-08-1996 06-12-1994

. ATENT COOPERATION TRE. . Y

Fron		IONAL SEA	ARCHING AUTH	ORITY			
To: see form PCT//SA/220					PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORIT (PCT Rule 43bis.1)		
		or agent's file PCT/ISA/2			FOR FURTHER See paragraph 2 be		FIRE 14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
		al application 005/00328		International filing date (03.02.2005	day/month/year)	Priority date (day/month/year) 05.02.2004	
				both national classification 0, B01D50/00, F24F3			
	icant KROL	IS CORPO	DRATION			The second secon	
1.		opinion co	ontains indication	ons relating to the following	owing items:		And Andrewson (Corporation
		lox No. II	Priority				
	⊠ B	ox No. III	•	nent of colnion with reas	ard to novelty, invent	ive step and industrial applicabili-	tu
	⊠в	ox No. IV	Lack of unity of		no to no rolly, in roll	TO Step and modernal application	ıy
		ox No. V	Reasoned stat applicability; ch	ement under Rule 43bis tations and explanations	.1(a)(I) with regard to supporting such sta	o novelty, inventive step or indust	trial
		ox No. VI	Certain docum	ents cited			
		ox No. VII		in the International app			
	⊠в	ox No. VIII	Certain observ	ations on the internation	al application		
2.	FUR'	THER ACTI	ON				
	the a	n opinion of pplicant cho	f the Internations oses an Authori eau under Rule	al Preliminary Examining ty other than this one to	Authority ("IPEA"). be the IPEA and the	Il usually be considered to be a However, this does not apply who chosen IPEA has notifed the attonal Searching Authority	ere
	mont	it to the IPE	:A a written reply date of mailing o	/ together, where approx	riste, with amendme	IPEA, the applicant is invited to ents, before the expiration of thre of 22 months from the priority de	e ate,
	For fu	rther option	s, see Form PC	T/ISA/220.			
3.	For fu	irth er det alls	s, see notes to F	Form PCT/ISA/220.			
Name	and m	ailing addres	s of the ISA:		Authorized Officer	A STATE OF THE PROPERTY OF THE	and Prings.
	3	European F	Patent Office			. All and the second	1111
-	ال	D-80298 M	unich	56 enmu d	Angermeier, D	(<i>9))) }</i>
	Tel. +49 89 2399 - 0 Tx; 523656 epmu d Fax: +49 89 2399 - 4465				Telephone No. +49 8	3 2399-2283	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/003287

_	Во	χN	o. I Basis of the opinion
1.	Wit the	th re	gard to the language , this opinion has been established on the basis of the international application in guage in which it was filed, unless otherwise indicated under this item.
		ıar	is opinion has been established on the basis of a translation from the original language into the following guage , which is the language of a translation furnished for the purposes of international search dor Rules 12.3 and 23.1(b).
2.	Wit	h re	gard to any nucleotide and/or amino acid sequence disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:
	a. t	ype	of material:
	i		a sequence listing
			table(s) related to the sequence listing
	b. f	orm	at of material:
			in written format
	ŧ		in computer readable form
	c. ti	me	of filing/furnishing:
	[contained in the international application as filed.
	[filled together with the international application in computer readable form.
	[furnished subsequently to this Authority for the purposes of search.
3.		cor	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto been filled or furnished, the required statements that the information in the subsequent or additional les is identical to that in the application as filed or does not go beyond the application as filed, as repriate, were furnished.
4.	Add	lition	al comments:

International application No. PCT/US2005/003287

	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Th	e questions whether the claimed vious), or to be industrially applic	inve	ention appears to be novel, to involve an inventive step (to be non have not been examined in respect of:				
	the entire international application,						
\boxtimes	claims Nos. 13-19						
be	cause:						
	the said international application	n, or al pr	the said claims Nos. relate to the following subject matter which eliminary examination (specify):				
Ø	the description, claims or draw unclear that no meaningful opin	ings nion	(indicate particular elements below) or said claims Nos. 13-19 are so could be formed (specify):				
	see separate sheet						
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.						
	no international search report has been established for the whole application or for said claims Nos.						
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative instructions in that:						
	the written form		has not been furnished				
			does not comply with the standard				
	the computer readable form		has not been furnished				
			does not comply with the standard				
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.						
×	See separate sheet for further details						

_					
_	Box No. IV	Lack of unity of in	ventic	n	
1.	. ⊠ In resp	onse to the invitation	(Form	PCT/ISA/20	06) to pay additional fees, the applicant has:
	\boxtimes	paid additional fees.			
		paid additional fees u	ınder p	rotest.	
		not paid additional fe	es.		
2.	☐ This Air the app	uthority found that the olicant to pay addition	require	ement of u	nity of invention is not complied with and chose not to invite
3.	This Author	rity considers that the	require	ment of un	ity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
	□ complie	d with			
	⊠ not com	plied with for the follow	ving re	asons:	
	see se	parate sheet			
4.	Consequen	tly, this report has bee	en esta	blished in I	respect of the following parts of the international application:
	all parts				
	☐ the parts	relating to claims No	S.		
	Box No. V industrial a	Reasoned stateme	nt und	ler Rule 4 explanatio	3bis.1(a)(I) with regard to novelty, Inventive step or one supporting such statement
1.	Statement				
	Novelty (N)		Yes: No:	Claims Claims	1, 20
	Inventive st	ep (IS)	Yes: No:	Claims Claims	1-12, 20, 21
	Industrial ap	oplicability (IA)	Yes: No:	Claims Claims	1-12, 20, 21
2.	Citations an	d explanations			

see separate sheet

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/003287

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Box No. VIII Certain observations on the International application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet